

MultiPHP Manager for WHM

(WHM >> Home >> Software >> MultiPHP Manager)

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Important:

WHM's *MultiPHP Manager* interface **only** appears on systems that run EasyApache 4.

Overview

WHM's *MultiPHP Manager* interface (WHM >> Home >> Software >> *MultiPHP Manager*) allows you to easily manage the PHP and PHP-FPM configurations of your cPanel accounts. In this interface, you can manage the PHP version, PHP-FPM setting, or Pool Option of any virtual host that you own. You can also set a different PHP version, PHP-FPM, or Pool Options setting for each virtual host.

- The System PHP Version refers to the version of PHP that functions as the global default for all accounts. **Only** the system administrator can set the System PHP version. Any primary domain that is set to *Inherit* uses the System PHP Version. For more information, read our [PHP Inheritance](#) documentation.
- PHP FastCGI Process Manager (PHP-FPM) is an alternative PHP module that allows a website to handle strenuous loads on sites. PHP-FPM maintains pools (workers available to respond to PHP requests) to accomplish this. These pools of workers allow the website to handle more requests than it normally could.
- The *Pool Options* feature allows you to set automated pools (workers) for your server. This enables your system to run faster and smoother with more processes.
- When you transfer domains between servers, the destination server will **not** inherit the source server's PHP-FPM setting. For more information on how to correct this, read our [PHP-FPM](#) documentation.

PHP Version

The *PHP Version* tab allows you to select the System PHP version, the version of PHP for each domain, and to manage PHP-FPM on each domain.

System PHP version

The System PHP Version functions as the global default for all accounts. When you create a new account, the account uses this version of PHP by default. Any primary domain that you set to *Inherit* will use the System PHP Version. For more information, read our [PHP Inheritance](#) documentation.

To change the system default PHP, perform the following steps:

1. Click *Edit* in the *System PHP Version* section.
2. Select your desired PHP version from the menu.
3. Click *Apply*.

Remember:

If you change the system default PHP version, the PHP version of any primary domain that you set to *Inherit* also changes.

Note:

To remove the CloudLinux™ promotions, log into your [Manage2](#) account, navigate to the *Update Company Information* section, and select the *Disabled* button next to the *Purchase CloudLinux Url or email address* option. You can **only** disable this option if you possess a Partner account.

List of domains

In EasyApache 4, each domain or virtual host can use any currently-installed PHP version or currently-installed PHP-FPM setting.

The list of domains displays the following information:

- The name of the domain
- The domain's account name
- The account's owner's name
- The PHP version that the domain currently uses, and if the account inherited that setting
- The domain's PHP-FPM status

Note:

Parked domains represent aliases for a primary domain. The system does **not** list these in the user interface.

Use the Search text box to search for specific domains. You can search by domain name, account name, account owner's name, current PHP version of the domain, or the current PHP-FPM setting of the domain.

Set a domain's PHP version

To change an account's PHP version, perform the following steps:

1. Select the checkbox next to the domain that you wish to change.
2. Select the desired version of PHP in the *PHP Version* menu. If you want the account to always use the parent domain's PHP version, select *Inherit*. An account that you set to *Inherit* with no parent domain uses the system default.
3. Click *Apply*. The system changes the selected domain's PHP version.

Notes:

- If you enabled PHP version restrictions on an account, all installed PHP versions still appear in this interface. For more information, read our [How to Limit a User's Available PHP Versions in the MultiPHP Manager](#) documentation.
- If you enabled FPM on a domain, when you change the domain's PHP version the system will change the domain's FPM version to match the selected PHP version. If FPM is **not** enabled on your domain, the system changes the PHP and FPM versions separately.

Warning:

Incorrect ownership of an `.htaccess` file may cause failures when you change an account's PHP version. The cPanel user account **must** own the `.htaccess` file that you want to change, and that file **must** use 644 permissions.

Set a domain's PHP-FPM setting

Before you can set the PHP-FPM setting for a domain, you must perform the following steps:

Step one: Install required PHP-FPM packages

The system may display the following message:

PHP-FPM option is not available because some required packages are not installed.

Fix: Click **Install** to open EasyApache 4 in a new window and install these packages before utilizing the PHP-FPM functionality. After you install the packages, return to this window and click **Refresh** to update the state of PHP-FPM packages.

- ea-php54-php-fpm
- ea-php55-php-fpm
- ea-php56-php-fpm



This message indicates that your system does **not** contain one or more of the required PHP-FPM packages. Perform the following steps to install the required PHP-FPM packages:

1. Click *Install*. A new window will appear.
2. Click *Provision*.

For more information about the *EasyApache 4* interface (*WHM >> Home >> Software >> EasyApache 4*), read our [EasyApache 4 Interface documentation](#).

Step two: Set the PHP-FPM setting for your domain

To enable or disable an account's PHP-FPM setting, perform the following steps:

1. Select the checkbox next to the domain that you wish to change.
2. Select *On* to activate PHP-FPM or *Off* to deactivate it.

Important:

If you select a domain with the PHP version set to *Inherit*, the system will **not** allow you to set PHP-FPM for that domain. You **must** either select a PHP version other than *Inherit* or not use PHP-FPM.

3. Click *Apply*.

Note:

If you enable FPM on an account's primary domain and then change that domain's name, the system will disable FPM for that new domain. You **must** re-enable FPM on the new domain if you wish to use FPM for the new domain.

Set a domain's pool options

Note:

Apache limits the performance of PHP-FPM pool options. Apache's configuration settings for pool options must **match** the PHP-FPM service's configuration settings. For more information on how to configure Apache and Pool Options, read our [Apache vs PHP-FPM Bottleneck with Child Processes](#) documentation.

To set a domain's pool options, perform the following steps:

1. Click *Pool Options* next to the desired domain that you wish to change. The system will display the following options:

Pool Options	Default	Limit
<i>Max Children</i>	5	1-10,000
<i>Process Idle Timeout (s)</i>	10	1-10,000,000
<i>Max Requests</i>	20	1-10,000,000

2. Enter your desired options for *Max Children*, *Process Idle Timeout (s)*, and *Max Requests*.
3. Click *Save*. The system will display the following success message: *Successfully applied PHP-FPM Pool options to the selected domain*.

System PHP-FPM Status

Administrators can turn PHP-FPM on or off for all accounts.

Turn System PHP-FPM Status on

To set the *System PHP-FPM Status* to *On*, perform the following steps:

1. Log in to WHM as the `root` user.
2. Navigate to WHM's *MultiPHP Manager* interface (*WHM >> Home >> Software >> MultiPHP Manager*).
3. In the *System PHP-FPM* section, click the blue *Turn On* button next to *System PHP-FPM Status*. The system will display the *Convert All Accounts to PHP-FPM* button.
4. To convert all your accounts to PHP-FPM, click *Convert All Accounts to PHP-FPM*. The system will display a success message.

Notes:

- If your PHP version does **not** match the required PHP-FPM installed packages, the system will **not** allow you to convert all of your accounts to PHP-FPM.

- You **cannot** convert all of your accounts to PHP-FPM until you install the appropriate PHP-FPM packages for the specified PHP version.
- You can enable or disable PHP-FPM for all accounts.
- When enabled, the system automatically enables PHP-FPM for new accounts, domains, subdomains, and addon domains that you create.

5. If you wish to see the conversion log, click the link provided in the success message above *System PHP-FPM Status*. Your status will now display as *On* and all of your accounts, domains, subdomains, and addon domains will run with PHP-FPM enabled.

Turn System PHP-FPM Status off

To set the *System PHP-FPM Status* to *Off*, perform the following steps:

1. Log in to WHM as the `root` user.
2. Navigate to WHM's *MultiPHP Manager* interface (*WHM >> Home >> Software >> MultiPHP Manager*).
3. In the *System PHP-FPM* section, click the blue *Turn Off* button next to *System PHP-FPM Status*. Your status will now display as *Off* and all of your accounts will no longer run with PHP-FPM enabled.

Manage PHP Handlers

Note:

PHP Handlers does **not** apply to PHP-FPM.

In EasyApache 4, each PHP version can use its own PHP handler. The *PHP Handlers* tab allows you to select the PHP handler that each version of PHP uses.

The list of PHP versions shows:

- An installed PHP version
- The PHP handler that version of PHP uses

To change the handler that a PHP version uses, perform the following steps:

1. Click *Edit* next to the version of PHP whose handler you wish to change.
2. Select the PHP handler from the menu.

Notes:

- The menu **only** shows the PHP handlers that are compatible with your selected version of PHP.
- You can **only** use the DSO handler with one version of PHP.

3. Click *Apply*.

Additional documentation

Suggested documentation [For cPanel users](#) [For WHM users](#) [For developers](#)

- [MultiPHP Manager for WHM](#)
- [Configuration Values of PHP-FPM](#)
- [The rebuild_phpconf Script](#)
- [PHP-FPM Code and FileSystem Layout for EasyApache 4](#)
- [PHP-FPM User Pools](#)

- [MultiPHP Manager for cPanel](#)
- [PHP](#)
- [PHP PEAR Packages](#)
- [MultiPHP INI Editor for cPanel](#)

- [MultiPHP Manager for WHM](#)
- [How to Manage Your php.ini Directives with PHP-FPM](#)
- [Configuration Values of PHP-FPM](#)
- [Configure or Disable PHP-FPM with User Pools for EasyApache 4](#)
- [The rebuild_phpconf Script](#)

- [WHM API 1 Functions - php_fpm_config_set](#)
- [WHM API 1 Functions - php_fpm_config_get](#)
- [WHM API 1 Functions - php_get_old_fpm_flag](#)
- [WHM API 1 Functions - php_set_default_accounts_to_fpm](#)
- [WHM API 1 Functions - convert_all_domains_to_fpm](#)